

Further publications to the programme Large-scale facilities for research with photons, neutrons and ions published in 2012

NR-PNI-1 Artemyev, A N; Surzhykov, A; Indelicato, P; Plunien, G; Stöhlker, Th: **Novel approach to theoretical investigation of heavy quasi-molecules.** *Journal of physics / Conference Series* 388: 092006 -, 2012. DOI:10.1088/1742-6596/388/9/092006

NR-PNI-2 Bana, D; Beyer, H F; Bosch, Fritz; Brandau, Carsten; Böhm, S; Chatterjee, S; Czarnota, M; Dousse, J -Cl; Gumberidze, Alexandre; Hagmann, Siegbert; Kozhuharov, Christophor; Liesen, Heinz-Dieter; Mokler, P H; Müller, A; Kumar, A; Pajek, M; Reuschl, R; Schmidt, E W; Sierpowski, D ; Spillmann, Uwe; Surzhykov, A; Stöhlker, Thomas ; Szlachetko, J; Tashenov, S; Trotsenko, Sergiy; Verma, P.; Warczak, A: **Enhanced radiative recombination of ^{92+}U ions with cooling electrons for the K-shell.** *Journal of physics / Conference Series* 388: 062044, 2012. DOI:10.1088/1742-6596/388/6/062044

NR-PNI-3 Bernhardt, D; Brandau, Carsten; Kozhuharov, Christophor; Müller, A; Schippers, S; Böhm, S; Bosch, Fritz; Jacobi, J; Kieslich, S; Knopp, H; Mokler, P H; Nolden, Fritz; Shi, W; Stachura, Z; Steck, Markus; Stöhlker, Thomas: **Dielectronic recombination of metastable berylliumlike xenon ions.** *Journal of physics / Conference Series* 388: 062036 -, 2012. DOI:10.1088/1742-6596/388/6/062036

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NR-PNI-5 Blaum, Klaus; Eliseev, Sergey; Eronen, Tommi; Litvinov, Yuri: **Precision mass measurements for nuclear astrophysics.** *Journal of physics / Conference Series* 381: 012013, 2012. DOI:10.1088/1742-6596/381/1/012013

NR-PNI-6 Brandau, C; Kozhuharov, C; Litvinov, Yu A; Müller, A; Bernhardt, D; Bernstein, L A; Bosch, F ; Currell, F J; Dimopoulou, C; Gumberidze, A; Heil, M; Nolden, F; Reifarth, R; Schippers, S; Schneider, D; Simon, H; Spillmann, U; Stachura, Z ; Steck, M; Stöhlker, Th; Wiedeking, M; Winckler, N; Winters, D F A: **Dielectronic recombination of in-flight synthesized exotic isotopes.** *Journal of physics / Conference Series* 388: 062042 -, 2012. DOI:10.1088/1742-6596/388/6/062042

NR-PNI-7 Bräuning-Demian, A; Ananyevna, A; Azuma, T; Bräuning, H; Dauvergne, D; Kanai, Y; Nakano, Y; Shindo, T; Suda, S; Yamazaki, Y: **Resonant coherent excitation of $191.1 \text{ MeV/u } U^{89+}$ ions planar-channeled in a silicon crystal.** *Journal of physics / Conference Series* 388: 082036 -, 2012. DOI:10.1088/1742-6596/388/8/082036

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NR-PNI-12 Gryzlova, E V; Grum-Grzhimailo, A N; Fritzsche, S; Kabachnik, N M: **Angular distributions and correlations in sequential three-photon triple atomic ionization.** *Journal of physics / Conference Series* 388: 032040 -, 2012. DOI:10.1088/1742-6596/388/3/032040

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NR-PNI-17 McConnell, Sean; Artemyev, Anton; Surzhykov, Andrey: **Alignment of atomic inner-shell vacancies following nuclear decay.** *Journal of physics / Conference Series* 388: 082047 -, 2012. DOI:10.1088/1742-6596/388/8/082047

NR-PNI-18 Martin, R; Barday, R; Enders, J; Poltoratska, Y; Spillmann, U; Weber, G; Stöhlker, Th: **Linear Polarization of the High-Energy End of Bremsstrahlung in Electron-Atom Collisions.** *Journal of physics / Conference Series* 388: 042027 -, 2012. DOI:10.1088/1742-6596/388/4/042027

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NR-PNI-21 Reed, M W; Walker, P M; Cullen, I J; Litvinov, Yu A; Blaum, K; Bosch, Fritz; Brandau, Carsten; Carroll, J J; Cullen, D M; Deo, A Y; Detwiler, B ; Dimopoulou, Christina; Dracoulis, G D; Farinon, Fabio; Geissel, Hans; Haettner, E; Heil, Michael ; Kempley, R S; Knöbel, Ronja; Kozhuharov, Christoph; Kurcewicz, Jan; Kuzminchuk, N; Litvinov, Sergey; Liu, Z; Mao, R; Nociforo, Chiara ; Nolden, Fritz; PlaßW R; Prochazka, Andrej; Scheidenberger, Christoph; Shubina, Daria; Steck, Markus; Stöhlker, Thomas; Sun, B; Swan, T P D; Trees, G; Weick, Helmut; Winckler, Nicolas; Winkler, Martin; Woods, P J; Yamaguchi, T: **Technique for Resolving Low-lying Isomers in the Experimental Storage Ring (ESR) and the Occurrence of an Isomeric State in ^{192}Re .** *Journal of physics / Conference Series* 381: 012058 -, 2012. DOI:10.1088/1742-6596/381/1/012058

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NR-PNI-30 Voitkiv, A B; Najjari, B; Fischer, D; Artemyev, A N; Surzhykov, A: **Young-type interference in projectile-electron loss in energetic ion-molecule collisions.** *Journal of physics / Conference Series* 388: 102047 -, 2012. DOI:10.1088/1742-6596/388/10/102047

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